

ABSTRACT

To grind a peripheral surface of a rotated work (10), by a rotary grindstone (22) rotated by a wheel spindle 21, a rotary brush (40) is mounted to one side of the rotary grindstone (22), so that it is rotated along with the rotary grindstone (22). Subsequently to the grinding of the work (10) by the rotary grindstone (22), the rotary grindstone (22) and the work (10) are moved axially relative to each other, and a ground surface of the work (10) is brushed by the rotary brush (40), whereby the polishing of the ground surface of the work (10) is achieved. Thus, the shifting of the work as well as an exclusive deflashing device and an exclusive polishing device are not required, which can contribute to a reduction in machining cost.